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TITLE: Call processing simulation device in control  
station  
system and method thereof

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BASIC-ABSTRACT:

NOVELTY - A call processing simulation device in a control station system and a method thereof are provided to enable a user to directly set a call process and messages related to communication standards, so as to generate and store a message used under GUI (Graphic User Interface), add or delete each message, or

generate an optional message.

DETAILED DESCRIPTION - A message editor (10) generates a new call processing message, stores the generated message in a file, reads and corrects the stored message, and outputs a parameter value for a selected message of messages transceived upon call processing simulation. A message header editor (20) interworks with each unit to generate a structure and a field of a new message header, corrects a structure and a field of a pre-produced message header, and outputs a field value of a message header of a message transceived upon call processing simulation. A call process editor (30) transceives data, arranges sub systems in a control station, selects a message and a message header to be used, and selects a link with a sub system to generate a call process. A call generator (40) generates a message header and a link of a message for transmitting the call process produced in the call process editor (30) to a main simulator (40) using the second queue, and generates all messages received or transmitted by the simulator (40). The main simulator (50) reads the message generated by the call generator (40) from the second queue for delivery to each corresponding link, and first reads a message to be transmitted for delivery to corresponding links if messages to be transmitted and received are accumulated on the second queue. And link parts receive messages from the main simulator (50) for delivery to drivers, and deliver messages received from the drivers to the main simulator (50) through the third queue.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: CALL PROCESS SIMULATE DEVICE CONTROL STATION SYSTEM  
METHOD

DERWENT-CLASS: W01

EPI-CODES: W01-C02B; W01-C05B5E;

